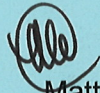


**STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION**

FROM:



Matt Urban
Wetlands Program Manager

DATE:

January 29, 2018

AT (OFFICE):

Department of
Transportation

SUBJECT

AMENDMENT 1

Unity, 2014-M215-20
(DES # 2014-02647)

Bureau of
Environment

TO

Gino Infascelli, Public Works Permitting Officer
New Hampshire Wetlands Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

The New Hampshire Department of Transportation (NHDOT) is requesting an amendment of NHDES Permit# 2014-02647. The need for the proposed amendment is to allow our District forces to place approximately 8 LF of stone apron at the inlet and outlet of the proposed box culvert for scour protection. The permitted application had previously shown this area as all temporary impacts; the Department has revised the plan to show the areas of proposed stone apron as a permanent impact. This does not result in any change to impact totals. It only converts impacts previously shown as temporary to permanent. Impact changes can be seen on the revised impact summary table included on the revised plan sheet dated 1/4/2018. It should be noted that stone aprons did previously exist in the areas that they are proposed. However, much of the original stone aprons have washed away over time and only some stone can still be seen in the photos that were provided in the original application. As the proposed stone will be placed where stone has previously existed no mitigation is proposed at this time. This amendment request is also proposing to increase the size of the temporary diversion pipe from a 24" pipe to a 42" pipe to ensure that it can accommodate the hydraulic demand that this diversion will need to maintain our ability to work in the dry. The Department is also proposing to shift the temporary diversion pipe from the easterly side of the crossing to the westerly side to accommodate the construction of the proposed box structure.

The lead people to contact for this project are Roger Keilig, Access & Utility Supervisor, or Matt Urban, Wetlands Program Manager, Bureau of Environment (271-3226 or matt.urban@dot.nh.gov).

If and when this amendment request meets with the approval of the Bureau, please send the amended permit directly to Matt Urban, Wetlands Program Manager, Bureau of Environment.

MRU: mru
Enclosures

cc:
BOE, Original
Town of Unity
Unity Conservation Commission
Mike Hicks, ACOE

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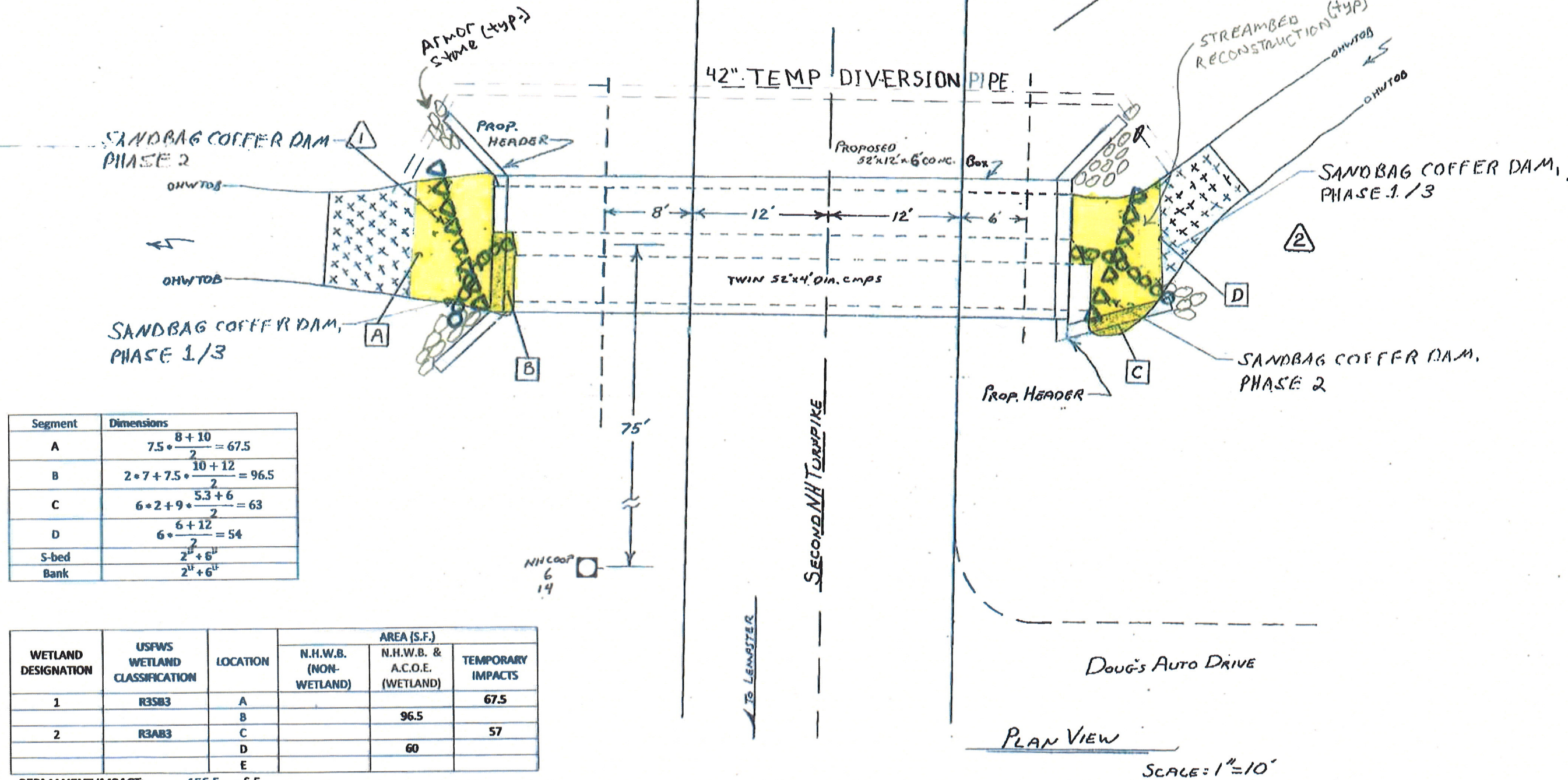
LEGEND

TYPE OF WETLAND IMPACT	PERMANENT IMPACT
N.H.W.B. (NON-WETLAND)	
N.H.W.B. & A.C.O.E. (WETLAND)	

N.H.W.B. - NEW HAMPSHIRE WETLANDS BOARD
A.C.O.E. - ARMY CORP. OF ENGINEERS

OH - ORDINARY HIGH WATER
TOB - TOP OF BANK
TOB & OH - TOP OF BANK & ORDINARY HIGH WATER
TSDZ - TIDAL BUFFER ZONE

- WETLAND DESIGNATION NUMBER
- WETLAND IMPACT LOCATION
- WETLAND MITIGATION AREA
- TEMPORARY IMPACTS
- MITIGATION

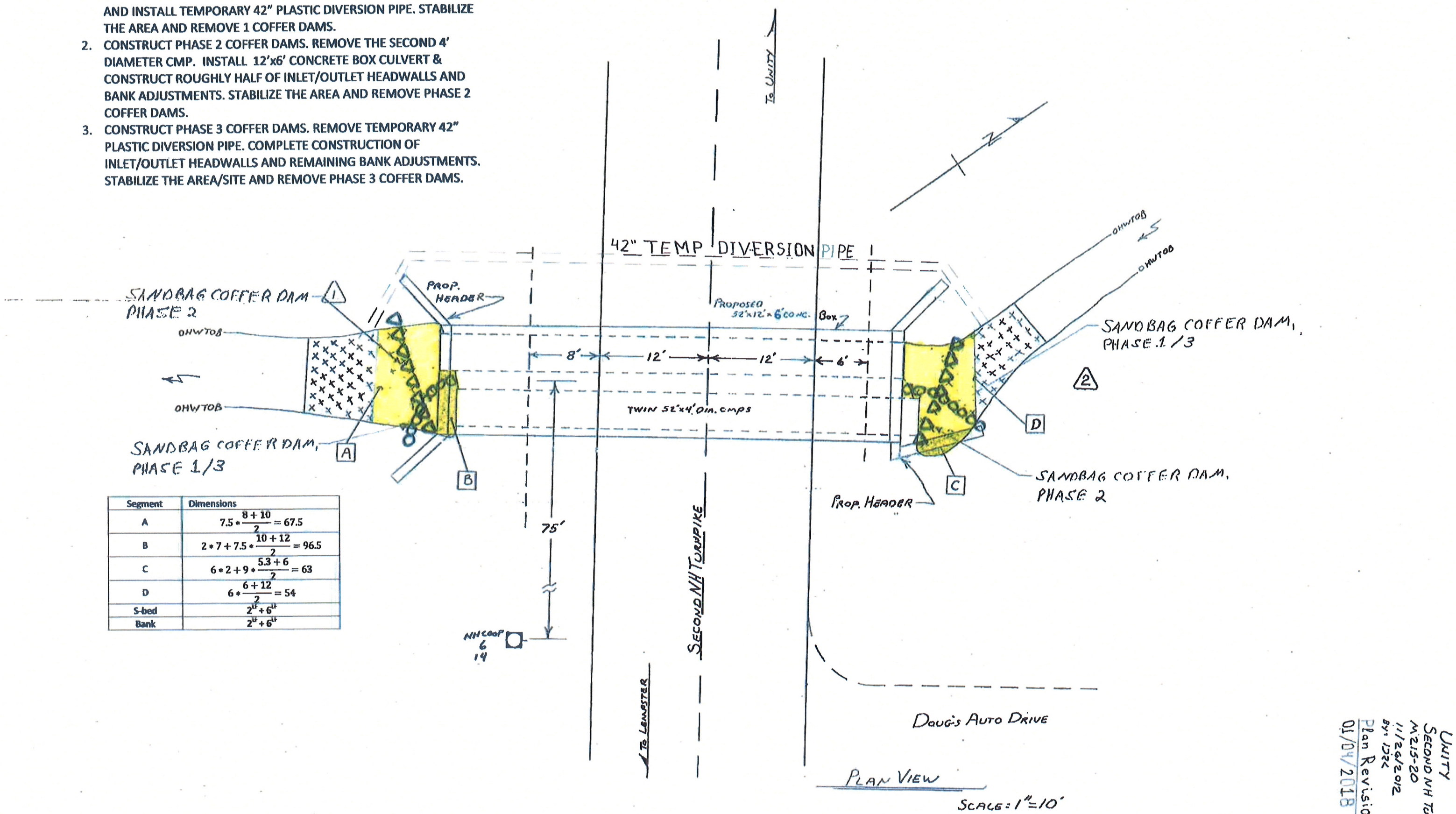


UNITY
SECOND NH TURNPIKE
M215-20
11/26/2012
BY: JDC
Plan Revisions
01/04/2018 DZP

CONSTRUCTION SEQUENCE /
EROSION CONTROL PLAN

SEQUENCE:

- 1. CONSTRUCT PHASE 1 COFFER DAMS. REMOVE 1-4' DIAMETER CMP AND INSTALL TEMPORARY 42" PLASTIC DIVERSION PIPE. STABILIZE THE AREA AND REMOVE 1 COFFER DAMS.
- 2. CONSTRUCT PHASE 2 COFFER DAMS. REMOVE THE SECOND 4' DIAMETER CMP. INSTALL 12'x6' CONCRETE BOX CULVERT & CONSTRUCT ROUGHLY HALF OF INLET/OUTLET HEADWALLS AND BANK ADJUSTMENTS. STABILIZE THE AREA AND REMOVE PHASE 2 COFFER DAMS.
- 3. CONSTRUCT PHASE 3 COFFER DAMS. REMOVE TEMPORARY 42" PLASTIC DIVERSION PIPE. COMPLETE CONSTRUCTION OF INLET/OUTLET HEADWALLS AND REMAINING BANK ADJUSTMENTS. STABILIZE THE AREA/SITE AND REMOVE PHASE 3 COFFER DAMS.



Segment	Dimensions
A	$7.5 \times \frac{8+10}{2} = 67.5$
B	$2 \times 7 + 7.5 \times \frac{10+12}{2} = 96.5$
C	$6 \times 2 + 9 \times \frac{5.3+6}{2} = 63$
D	$6 \times \frac{6+12}{2} = 54$
S-bed	$2' + 6'$
Bank	$2' + 6'$

UNITY
SECOND NH TURNPIKE
M215-20
11/24/2012
BY: JDR
Plan Revisions
01/04/2018 DZP